

Release notes for ENDF/B Development n-042_Mo_099
evaluation

ENDF
B-VII.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=4246, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=4246, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      223 TO      287
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=4246, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=4246, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      223
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 2, MT=151 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4246, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      289
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 1 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      530
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      566
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 4 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      596
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      615
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 17
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 628

8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 22
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 635

9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 28
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 649

10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 32
SECTION 3/ 32 NOT IN DIRECTORY RECORD NUMBER 659

11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 33 (0): Directory (b)

ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 33
SECTION 3/ 33 NOT IN DIRECTORY RECORD NUMBER 667

12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 51
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 673

13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 52
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 692

14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 53
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 710

15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 54 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 54 | RECORD NUMBER | 727 |
| SECTION 3/ 54 NOT IN DIRECTORY | | |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 55 | RECORD NUMBER | 743 |
| SECTION 3/ 55 NOT IN DIRECTORY | | |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 56 | RECORD NUMBER | 759 |
| SECTION 3/ 56 NOT IN DIRECTORY | | |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 57 | RECORD NUMBER | 775 |
| SECTION 3/ 57 NOT IN DIRECTORY | | |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 58 | RECORD NUMBER | 790 |
| SECTION 3/ 58 NOT IN DIRECTORY | | |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 59 | RECORD NUMBER | 805 |
| SECTION 3/ 59 NOT IN DIRECTORY | | |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 60 | RECORD NUMBER | 819 |
| SECTION 3/ 60 NOT IN DIRECTORY | | |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 61 | RECORD NUMBER | 833 |
| SECTION 3/ 61 NOT IN DIRECTORY | | |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 62 (0): Directory (b)

- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 62 | | |
| | SECTION 3/ 62 NOT IN DIRECTORY | RECORD NUMBER | 846 |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 63 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 63 | | |
| | SECTION 3/ 63 NOT IN DIRECTORY | RECORD NUMBER | 859 |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 64 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 64 | | |
| | SECTION 3/ 64 NOT IN DIRECTORY | RECORD NUMBER | 871 |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 65 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 65 | | |
| | SECTION 3/ 65 NOT IN DIRECTORY | RECORD NUMBER | 883 |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 66 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 66 | | |
| | SECTION 3/ 66 NOT IN DIRECTORY | RECORD NUMBER | 894 |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT= 91 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4246, MF= 3, MT= 91 | | |
| | SECTION 3/ 91 NOT IN DIRECTORY | RECORD NUMBER | 905 |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT=102 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4246, MF= 3, MT=102 | | |
| | SECTION 3/102 NOT IN DIRECTORY | RECORD NUMBER | 916 |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT=103 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=4246, MF= 3, MT=103 | | |
| | SECTION 3/103 NOT IN DIRECTORY | RECORD NUMBER | 940 |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT=104 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4246, MF= 3, MT=104 | | |
| SECTION 3/104 NOT IN DIRECTORY | RECORD NUMBER | 954 |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT=105 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4246, MF= 3, MT=105 | | |
| SECTION 3/105 NOT IN DIRECTORY | RECORD NUMBER | 965 |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 3, MT=107 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4246, MF= 3, MT=107 | | |
| SECTION 3/107 NOT IN DIRECTORY | RECORD NUMBER | 977 |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 2 (0): Directory (b)
- | | | |
|--|---------------|-----|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 2 | | |
| SECTION 4/ 2 NOT IN DIRECTORY | RECORD NUMBER | 994 |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 16 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 16 | | |
| SECTION 4/ 16 NOT IN DIRECTORY | RECORD NUMBER | 1178 |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 17 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 17 | | |
| SECTION 4/ 17 NOT IN DIRECTORY | RECORD NUMBER | 1189 |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 22 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 22 | | |
| SECTION 4/ 22 NOT IN DIRECTORY | RECORD NUMBER | 1200 |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 28 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 28 | | |
| SECTION 4/ 28 NOT IN DIRECTORY | RECORD NUMBER | 1211 |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 32 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 32 | RECORD NUMBER | 1222 |
| SECTION 4/ 32 NOT IN DIRECTORY | | |
40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 33 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 33 | RECORD NUMBER | 1233 |
| SECTION 4/ 33 NOT IN DIRECTORY | | |
41. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 51 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 51 | RECORD NUMBER | 1244 |
| SECTION 4/ 51 NOT IN DIRECTORY | | |
42. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 52 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 52 | RECORD NUMBER | 1270 |
| SECTION 4/ 52 NOT IN DIRECTORY | | |
43. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 53 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 53 | RECORD NUMBER | 1296 |
| SECTION 4/ 53 NOT IN DIRECTORY | | |
44. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 54 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 54 | RECORD NUMBER | 1321 |
| SECTION 4/ 54 NOT IN DIRECTORY | | |
45. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 55 | RECORD NUMBER | 1346 |
| SECTION 4/ 55 NOT IN DIRECTORY | | |
46. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 56 | RECORD NUMBER | 1371 |
| SECTION 4/ 56 NOT IN DIRECTORY | | |
47. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 57 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 57 | RECORD NUMBER | 1396 |
| SECTION 4/ 57 NOT IN DIRECTORY | | |
48. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 58 | RECORD NUMBER | 1421 |
| SECTION 4/ 58 NOT IN DIRECTORY | | |
49. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 59 | RECORD NUMBER | 1446 |
| SECTION 4/ 59 NOT IN DIRECTORY | | |
50. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 60 | RECORD NUMBER | 1471 |
| SECTION 4/ 60 NOT IN DIRECTORY | | |
51. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 61 | RECORD NUMBER | 1496 |
| SECTION 4/ 61 NOT IN DIRECTORY | | |
52. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 62 | RECORD NUMBER | 1521 |
| SECTION 4/ 62 NOT IN DIRECTORY | | |
53. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 63 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 63 | RECORD NUMBER | 1546 |
| SECTION 4/ 63 NOT IN DIRECTORY | | |
54. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 64 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 64 | RECORD NUMBER | 1571 |
| SECTION 4/ 64 NOT IN DIRECTORY | | |
55. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 65 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 65 | RECORD NUMBER | 1596 |
| SECTION 4/ 65 NOT IN DIRECTORY | | |
56. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 66 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 66 | RECORD NUMBER | 1619 |
| SECTION 4/ 66 NOT IN DIRECTORY | | |
57. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 4, MT= 91 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 4, MT= 91 | RECORD NUMBER | 1642 |
| SECTION 4/ 91 NOT IN DIRECTORY | | |
58. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 5, MT= 16 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 5, MT= 16 | RECORD NUMBER | 1666 |
| SECTION 5/ 16 NOT IN DIRECTORY | | |
59. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 5, MT= 17 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 5, MT= 17 | RECORD NUMBER | 1738 |
| SECTION 5/ 17 NOT IN DIRECTORY | | |
60. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 5, MT= 22 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 5, MT= 22 | RECORD NUMBER | 1773 |
| SECTION 5/ 22 NOT IN DIRECTORY | | |
61. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 5, MT= 28 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 5, MT= 28 | RECORD NUMBER | 1966 |
| SECTION 5/ 28 NOT IN DIRECTORY | | |
62. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 5, MT= 32 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4246, MF= 5, MT= 32 | RECORD NUMBER | 2046 |
| SECTION 5/ 32 NOT IN DIRECTORY | | |
63. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=4246, MF= 5, MT= 33 (0): Directory (b)

ERROR(S) FOUND IN MAT=4246, MF= 5, MT= 33

SECTION 5/ 33 NOT IN DIRECTORY

RECORD NUMBER 2096

64. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=4246, MF= 5, MT= 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=4246, MF= 5, MT= 91

SECTION 5/ 91 NOT IN DIRECTORY

RECORD NUMBER 2131

- recent Warnings:

1. Fission widths given for non-fissile nucleus, but are zero

0: Fission?

Calculate Cross Sections from Resonance Parameters (RECENT 2015-1)

=====

Retrieval Criteria-----

MAT

File 2 Minimum Cross Section- 1.0000E-10 (Standard Option)

Reactions with No Background- Output (Resonance Contribution)

... [451 more lines]

- fudge-4.0 Warnings:

1. The URR for this spin group needs higher energy resolution for correct representation of the average cross section

resonances / unresolved (Error # 0): URRinsufficientEnergyGrid

WARNING: More points needed in L=0 J=0.0 unresolved widths between 24. eV and 1.e2 eV

WARNING: More points needed in L=0 J=1.0 unresolved widths between 24. eV and 1.e2 eV

WARNING: More points needed in L=1 J=0.0 unresolved widths between 24. eV and 1.e2 eV

WARNING: More points needed in L=1 J=1.0 unresolved widths between 24. eV and 1.e2 eV

... plus 4 more instances of this message

2. Cross section does not match sum of linked reaction cross sections

crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.77%

3. Cross section does not match sum of linked reaction cross sections

crossSectionSum label 1: (z,n) (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.11%

- fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.

reaction label 18: n[multiplicity:'2'] + Mo98 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -5969737.723724365 eV vs -5.9302e6 eV!

2. Calculated and tabulated Q values disagree.

reaction label 19: n[multiplicity:'3'] + Mo97 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -14612336.72621155 eV vs -1.45772e7 eV!

3. Calculated and tabulated Q values disagree.
reaction label 20: $n + H1 + Nb98$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -9770568.149169922 eV vs -9733130. eV!

4. Calculated and tabulated Q values disagree.
reaction label 21: $n + H2 + Nb97$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -13540221.88806152 eV vs -1.34175e7 eV!

5. Calculated and tabulated Q values disagree.
reaction label 22: $n + H3 + Nb96$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -15356254.13095093 eV vs -1.53121e7 eV!

6. Calculated and tabulated Q values disagree.
reaction label 23: $Mo100 + gamma$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 8245480.392486572 eV vs 8290890. eV!

7. Calculated and tabulated Q values disagree.
reaction label 24: $n + He4 + Zr95$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -2777292.831481934 eV vs -2727990. eV!

8. Calculated and tabulated Q values disagree.
reaction label 25: $H1 + Nb99_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -2900843.575057983 eV vs -2841030. eV!

9. Calculated and tabulated Q values disagree.
reaction label 26: $H2 + Nb98_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -7546002.048233032 eV vs -7423010. eV!

10. Calculated and tabulated Q values disagree.
reaction label 27: $H3 + Nb97_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -7282988.94744873 eV vs -7232350. eV!

11. Calculated and tabulated Q values disagree.
reaction label 28: $He4 + Zr96_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 5079048.812850952 eV vs 5.1294e6 eV!

- njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
grouppr...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 16
only mf4/mf5 provided

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 17
only mf4/mf5 provided

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 22
only mf4/mf5 provided

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 28
only mf4/mf5 provided

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 32
only mf4/mf5 provided

6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (5): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 33
only mf4/mf5 provided

7. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (6): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 91
only mf4/mf5 provided